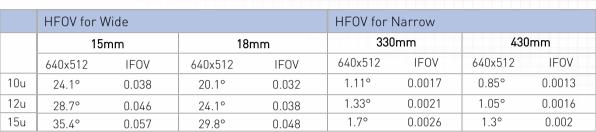
## MWIR Continuous zoom - Commercial off the shelf lens

## MERCURY SERIES

MWIR 15-330mm, 18-430mm, 18 - 330 mm F/4.0 High Accuracy Continuous Zoom Lens series for up to  $640 \times 512 \times 15 \mu$  cooled detectors

## FEATURES / APPLICATIONS / CAPABILITIES

- Special lens for low boresight and retention error
- Rugged and robust built for harsh environmental conditions
- Available with different types of front Beam Expander (x1.5, x2, x2.5)



<sup>\*</sup>IFOV is indicated in mrad

PARAMETER		VALUE		
Main	Sub			
<b>◎</b> OPTICAL		MERCURY 0	MERCURY I	MERCURY D
Focal Length / F#		15-330mm F/4.0	18-330mm F/4.0	18-430mm F/5.5
Detector (FPA) type / size		Up to 640 x 512 x 15μ		
Working Spectral Range		3 – 5μ		
Optical Coatings	All internal surfaces	High efficiency AR coating		
	Front surface	HDAR coating (please note: DLC is available upon request)		
CSH		19-22mm		
<b>Ø</b> MECHANICAL				
Focus / Zoom mechanism		Motorized		
Through zoom boresight		<0.075 mm radius at the focal plane		
NFOV boresight retention		<0.03 mm radius at the focal plane		
Focus Range		10m / 50m - Infinity	10m / 100m – Infinity	1m / 30m - Infinity
Total Weight		945gr	940gr	930gr
Ext. Dimensions ø x length (mm)		96 x 127.65	96 x 131.45	96 x 124.82
■ ELECTRICAL				
Power Input		12VDC, 1.0 A		
Communication Protocol		RS-422/232 Full Duplex		
<b>6</b> ENVIRONMENTAL				
Operating / Storage Temperature		-25°C to +55°C / -40°C to +70°C		
Shock and Vibrations		Per applicable standard		
Front lens sealing		IP67		



